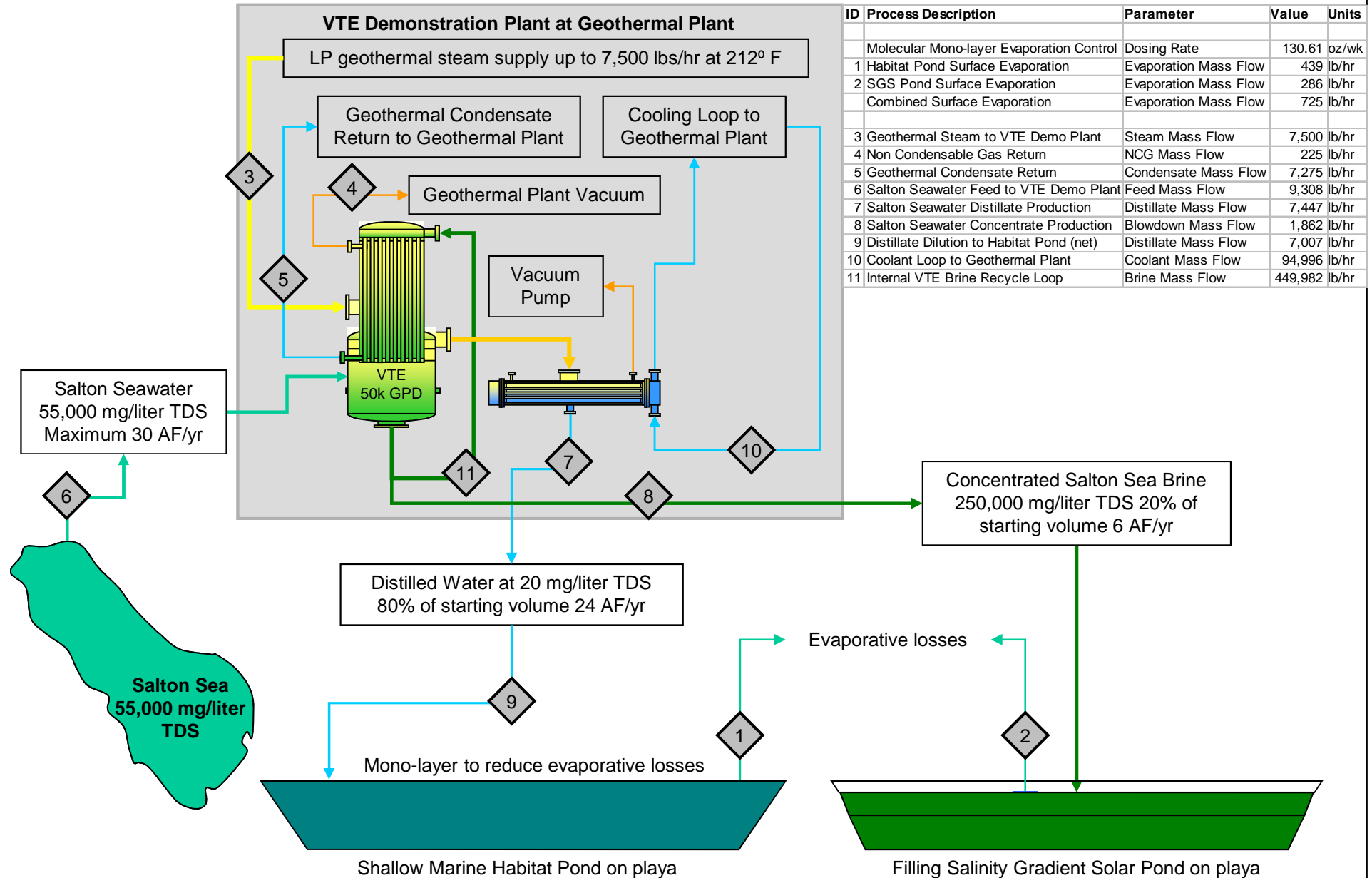


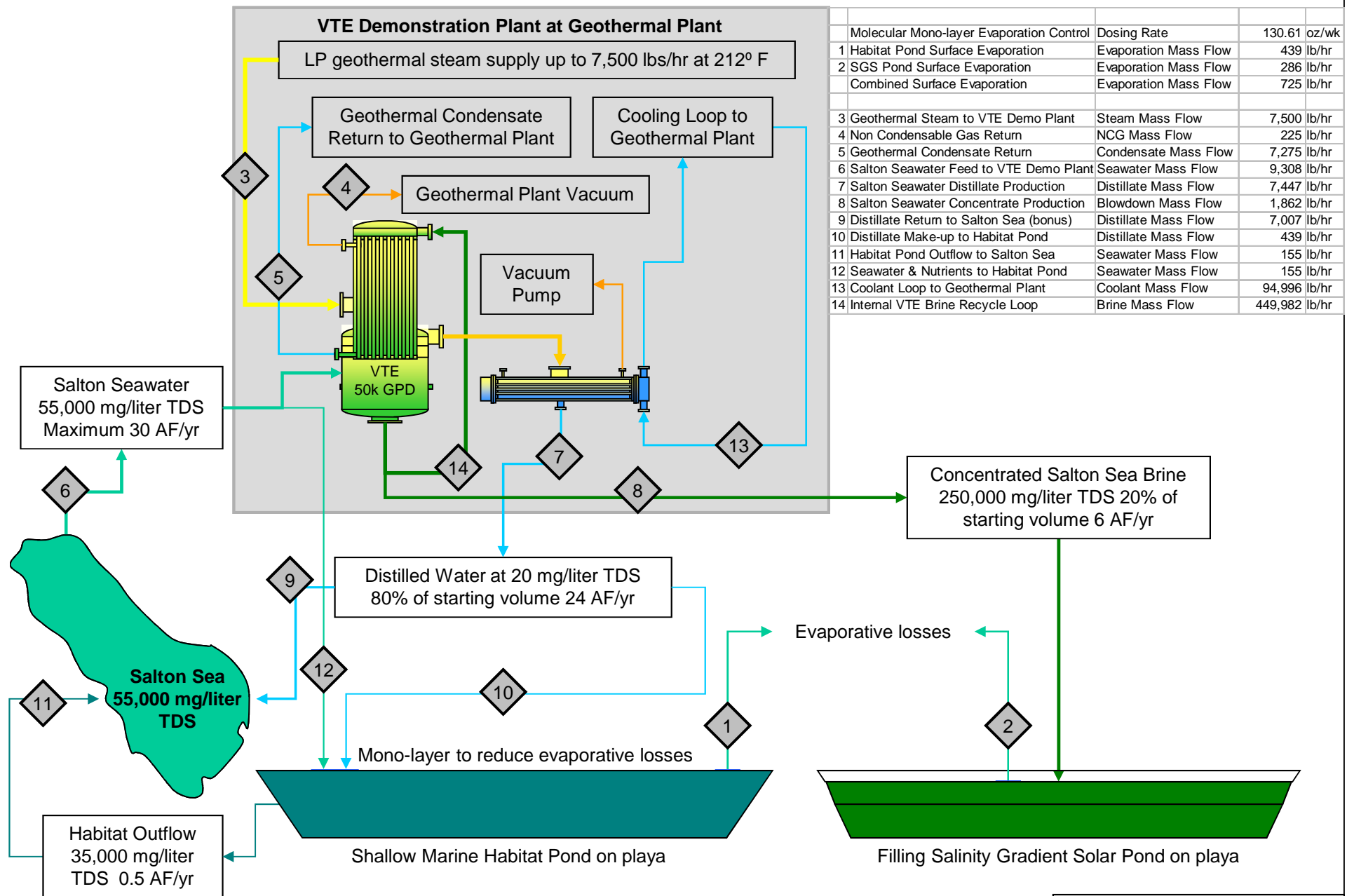
Process Phase I. Salton Seawater Marine Habitat Pilot, process diagram & mass flow

VTE Demo Plant dilutes Marine Habitat Pond and fills Solar Pond with concentrated Salton Sea brine



Process Phase II. Salton Seawater Marine Habitat Pilot, process diagram & mass flow

VTE Demo Plant to fills Solar Pond with concentrated Salton Sea brine and provides make-up for Marine Habitat Pond



Process Phase III. Salton Seawater Marine Habitat Pilot, process diagram & mass flow

VTE Pilot Plant on site maintains ponds, increase depth of Salinity Gradient Solar Pond

ID	Process Description	Parameter	Value	Units
	Molecular Mono-layer Evaporation Control	Dosing Rate	130.61	oz/wk
1	Habitat Pond Surface Evaporation	Evaporation Mass Flow	439	lb/hr
2	SGS Pond Surface Evaporation	Evaporation Mass Flow	439	lb/hr
	Combined Surface Evaporation	Evaporation Mass Flow	879	lb/hr
3	Hot Brine to VTE Pilot Plant	Brine Mass flow	49,998	lb/hr
4	Steam to VTE	Steam Mass Flow	384	lb/hr
5	Cooled Brine Return to Pond	Brine Mass flow	49,610	lb/hr
6	Vent to Vacuum	NCG Mass Flow	4	lb/hr
7	Salton Seawater Feed to VTE Demo Plant	Seawater Mass Flow	2,018	lb/hr
8	Seawater & Brine Distillate Production	Distillate Mass Flow	760	lb/hr
10	Salton Seawater Concentrate Production	Blowdown Mass Flow	995	lb/hr
9	Distillate Return to Salton Sea (bonus)	Distillate Mass Flow	108	lb/hr
12	Distillate Make-up to Solar Pond	Distillate Mass Flow	948	lb/hr
11	Distillate Make-up to Habitat Pond	Distillate Mass Flow	439	lb/hr
13	Habitat Pond Outflow to Salton Sea	Seawater Mass Flow	155	lb/hr
14	Seawater & Nutrients to Habitat Pond	Seawater Mass Flow	155	lb/hr
15	Coolant Loop to Geothermal Plant	Coolant Mass Flow	81,997	lb/hr
16	Solar Pond Surface Recycle	Pond Water Mass Flow	125	lb/hr
17	Internal VTE Brine Recycle Loop	Brine Mass Flow	17,999	lb/hr

